





Image may be representation.
See specifications for product details.



VN460SP

Manufacturer Part Number	VN460SP
Manufacturer	STMicroelectronics
Allelco Part Number	32D-VN460SP
ECAD Model	 Request Free CAD Models
Parts Description	IC PWR DRIVER N-CHAN 1:1 PWRSO10
Package	PowerSO-10 Exposed Bottom Pad
Data sheet	VN460SP.pdf
RoHs Status	 ROHS3 Compliant

Get a Quote

VN460SP - STMicroelectronics.New Original in Stock. Download Linear Technology VN460SP datasheet/specifications on AllelcoElec.com.
Request a quote for VN460SP, please send us email: info@allelco.com





Specifications

VN460SP Tech Specifications
VN460SP - STMicroelectronics technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	STMicroelectronics	Output Configuration	High Side
Voltage - Supply (Vcc/Vdd)	Not Required	Operating Temperature	-40°C ~ 150°C (TJ)
Voltage - Load	5.5V ~ 36V	Number of Outputs	1
Switch Type	Relay, Solenoid Driver	Mounting Type	Surface Mount
Supplier Device Package	10-PowerSO	Interface	On/Off
Series	-	Input Type	Non-Inverting
Rds On (Typ)	20mOhm (Max)	Features	Status Flag
Ratio - Input:Output	1:1	Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage
Package / Case	PowerSO-10 Exposed Bottom Pad	Current - Output (Max)	25A
Package	Tube	Base Product Number	VN460
Output Type	N-Channel		

Parts with Similar Specifications

The three parts on the right have similar specifications to STMicroelectronics VN460SP

Product Attribute				
Part Number	VN460SP	MC33880PEW	SP2525A-1EN-L/TR	TCK323G,LF
Manufacturer	STMicroelectronics	Freescale Semiconductor	MaxLinear, Inc.	Toshiba Semiconductor and Storage
Operating Temperature	-40°C ~ 150°C (TJ)	-40°C ~ 150°C (TJ)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Package / Case	PowerSO-10 Exposed Bottom Pad	32-BSSOP (0.295", 7.50mm Width)	8-SOIC (0.154', 3.90mm Width)	16-UFBGA, CSPBGA
Output Configuration	High Side	High Side or Low Side	High Side	High Side
Base Product Number	VN460	MC33880	SP2525	TCK323
Package	Tube	Bulk	Tape & Reel (TR)	Tape & Reel (TR)
Current - Output (Max)	25A	800mA	500mA	2A
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Ratio - Input:Output	1:1	1:8	1:1	2:1
Input Type	Non-Inverting	-	Non-Inverting	-
Series	-	-	-	-
Voltage - Supply (Vcc/Vdd)	Not Required	4.75V ~ 5.25V	Not Required	Not Required
Fault Protection	Current Limiting (Fixed), Open Load Detect, Over Temperature, Over Voltage	Current Limiting (Fixed), Open Load Detect, Over Voltage	Current Limiting (Fixed), Over Temperature, UVLO	Over Temperature, Over Voltage, Reverse Current, UVLO
Output Type	N-Channel	N-Channel	N-Channel	N-Channel
Interface	On/Off	SPI	On/Off	On/Off
Supplier Device Package	10-PowerSO	32-SOIC	8-SOIC	16-WCSPC (1.9x1.9)
Switch Type	Relay, Solenoid Driver	General Purpose	USB Switch	General Purpose
Voltage - Load	5.5V ~ 36V	5.5V ~ 24.5V	3V ~ 5.5V	2.3V ~ 36V
Features	Status Flag	-	Status Flag	Slew Rate Controlled, Status Flag
Number of Outputs	1	8	1	1
Rds On (Typ)	20mOhm (Max)	550mOhm	70mOhm	98mOhm

VN460SP Datasheet PDF

Download VN460SP pdf datasheets and STMicroelectronics documentation for VN460SP - STMicroelectronics.

HTML Datasheet



VN460SP.pdf

Customers Also Interested in

Recommended Products



MC33880PEW

Freescall Semiconductor
MC33880 - SWITCH, CONGIFURABLE
8



VN4012L-G

Microchip Technology
MOSFET N-CH 400V 160MA TO92-3



SP2525A-1EN-L/TR

MaxLinear, Inc.
IC PWR SWITCH N-CHAN 1:1 8SOIC



TCK323G,LF

Toshiba Semiconductor and
Storage
IC PWR SWITCH N-CHAN 2:1
16WCSP



VN450P

STMicroelectronics
IC PWR DRIVER 1:1 PWRSO20



IPS1031SPBF

Infineon Technologies
IC PWR SWITCH N-CHAN 1:1 D2PAK



FPF2411BUCX

Fairchild Semiconductor
INTELLIMAX 6 V / 6 A-RATED BI-DI



IPS160HTR

STMicroelectronics
IC PWR SWITCH P-CHAN 1:1
PWRSSO12



AUIPS1041LTR

Infineon Technologies
IC PWR SWITCH N-CHAN 1:1
SOT223



VN460SP13TR

STMicroelectronics
IC PWR DRIVER N-CHAN 1:1
PWRSO10



TPS2042BDGN

Texas Instruments
IC PWR SWITCH N-CHAN 1:2 8MSOP



VB325SP

STMicroelectronics
IC PWR DRVR BIPOLAR 1:1
PWRSO10



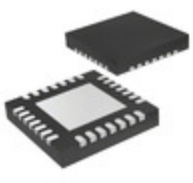
MIC2545A-2YM

Microchip Technology
IC PWR SWITCH N-CHAN 1:1 8SOIC



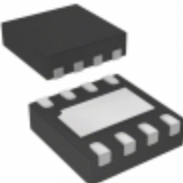
R5524N001B-TR-FE

Nissinbo Micro Devices Inc.
USB NCH HIGH-SIDE SWITCH IC



TPS274160BRLHR

Texas Instruments
40-V, 160-M, 4-CHANNEL SMART HIG



AP2182AFGEG-7

Diodes Incorporated
IC PWR SWITCH P-CHAN 1:2 8UDFN



MIC2544A-1YM-TR

Microchip Technology
IC PWR SWITCH N-CHAN 1:1 8SOIC



TPS22917DBVT

Texas Instruments
IC PWR SWITCH P-CHAN 1:1 SOT23-
6

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:

Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



Phone

+00852 9146 4856



Email

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Certifications & Memberships



View More



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